BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Roads and Drains at Thindlu Colony, Kempegowdanagara and Surrounding areas in Ward No. 09, (Vidyaranyapura).*

Job Code: 009-21-000001

Estimated Cost Rs. 100.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains at Thindlu Colony, Kempegowdanagara and Surrounding areas in Ward No. 09, (Vidyaranyapura).**

	009-21-000001					Estimate Cost:		10000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	Desilting of Drains								
	Govt Hospital Opp Road Thindlu		2	300.00	0.60	0.45	162.00		
	Thindlu Kunte Road		2	120.00	0.60	0.45	64.80		
	Cross Road		2	100.00	0.60	0.45	54.00		
	Katte Opp road		1	120.00	0.60	0.45	32.40		
	Kempegowdanagara		2	200.00	0.60	0.45	108.00		
			2	108.00	0.60	0.45	58.32		
	Culverts		1	7.00	2.00	1.05	14.70		
							494.22	243.88	**120530.00**
	Basic Rate	130.00							
	Area Weightage @6%	7.80							
	Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	Thindlu Kunte Road		2	120.00		1.35	324.00		
	Cross Road		2	100.00		1.35	270.00		
	Katte Opp road		1	120.00		1.35	162.00		
	Kempegowdanagara		2	200.00		1.35	540.00		
			2	108.00		1.35	291.60		
							1587.60		
							-793.80		
	Consider 50% of the Total Qty						**793.80**	111.30	**88350.00**
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Consider 15% of the Total Qty		Qty Vide Item No. 03				**119.07**	742.00	**88350.00**
	Basic Rate	700.00							
	Area Weightage @ 6%	42.00							
	Total	**742.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220 kgs, with crushed 40mm** and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 **Item No. 27.18 Page No. 222, PWD SR 2018-19**	cum							
	For Flagging Course								
	Govt Hospital Opp Road Thindlu		2x2	300.00	0.30	0.15	54.00		
	Thindlu Kunte Road		2x2	120.00	0.30	0.15	21.60		
	Cross Road		2x2	100.00	0.30	0.15	18.00		
	Katte Opp road		2	120.00	0.30	0.15	10.80		
	Kempegowdanagara		2x2	200.00	0.30	0.15	36.00		
			2x2	108.00	0.30	0.15	19.44		
	Vent Concrete								
	Govt Hospital Opp Road Thindlu		2	300.00	0.60	0.15	54.00		
	Thindlu Kunte Road		2	120.00	0.60	0.15	21.60		
	Cross Road		2	100.00	0.60	0.15	18.00		
	Katte Opp road		1	120.00	0.60	0.15	10.80		
	Kempegowdanagara		2	200.00	0.60	0.15	36.00		
			2	108.00	0.60	0.15	19.44		
	Culverts		1	7.00	2.00	0.15	2.10		
							321.78	5421.90	**1744659.00**
	Basic Rate	5115.00							
	Area Weightage @ 6%	306.90							
	Total	**5421.90**							
5	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. **Page No. 255, Item No. 34.9, PWD SR 2018-19**	cum							
			2x1	6.00	0.60	0.90	6.48		
	Basic Rate	5483.00					**6.48**	5811.98	**37662.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
			2x1	6.00		0.90	10.80		
	Basic Rate	142.00					**10.80**	150.52	**1626.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
7	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	For Flagging Course								
	Govt Hospital Opp Road Thindlu		2x2	300.00		0.40	480.00		
	Thindlu Kunte Road		2x2	120.00		0.60	288.00		
	Cross Road		2x2	100.00		0.60	240.00		
	Katte Opp road		2	120.00		0.60	144.00		
	Kempegowdanagara		2x2	200.00		0.60	480.00		
			2x2	108.00		0.60	259.20		
							1891.20	979.44	**1852317.00**
	Basic Rate	924.00							
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
8	Providing and laying in position **plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size** graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page. No. 255 / Item No.34.11 of PWD SR 2018-19**	cum							
	Culvert Ramp		2x1	6.00	1.00	0.15	1.80		
	Coping and Vent Concrete		1	6.00	1.80	0.10	1.08		
	Coping Concrete								
	Govt Hospital Opp Road Thindlu		2x2	300.00	0.20	0.125	30.00		
	Thindlu Kunte Road		2x2	120.00	0.20	0.125	12.00		
	Cross Road		2x2	100.00	0.20	0.125	10.00		
	Katte Opp road		2	120.00	0.20	0.125	6.00		
	Kempegowdanagara		2x2	200.00	0.20	0.125	20.00		
			2x2	108.00	0.20	0.125	10.80		
	Vent Concrete								
	Govt Hospital Opp Road Thindlu		2	300.00	0.60	0.10	36.00		
	Thindlu Kunte Road		2	120.00	0.60	0.10	14.40		
	Cross Road		2	100.00	0.60	0.10	12.00		
	Katte Opp road		1	120.00	0.60	0.10	7.20		
	Kempegowdanagara		2	200.00	0.60	0.10	24.00		
			2	108.00	0.60	0.10	12.96		
	Basic Rate	5283.00					**198.24**	5599.98	**1110140.00**
	Area Weightage @ 6%	316.98							
	Total	**5599.98**							
	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge - Data rate	Sqm							
	Govt Hospital Opp Road Thindlu		2	300.00	0.90		540.00		
	Thindlu Kunte Road		2	120.00	0.90		216.00		
	Cross Road		2	100.00	0.90		180.00		
	Katte Opp road		1	120.00	0.90		108.00		
	Kempegowdanagara		2	200.00	0.90		360.00		
			2	108.00	0.90		194.40		
							1598.40	2337.00	**3735461.00**
	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).	Sqm							
			12	1.80	0.60		12.96		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							12.96	5418.00	70217.00
	Sub Total								8849332.00
	GST @ 12%								1061920.00
	PMC Charges @ 1%								88493.00
	Miscellaneous and other Charges	L/S							255.00
								Total	10000000.00

Rupees One Crore Only

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore : 97

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL

Accorded For Rs. 100.00 Lakhes only

Head of A/c P 1878

Div. Ref. No. 30/2021 Date 28/8/2020

AE 28/08

EE(BTP) 28/08

...or Rs. 100.00 LAKH
... HUNDRED LAKH ONLY
...nder P 1878
Job Code No 009-21-000001
Registered as SE(V)/TS/ 17 /2021 subject
to conditions contained in enclosed memo
No 17 / 20-21 Dated 2/9/2020

2/9/2020

AE/JE TA SE(V)

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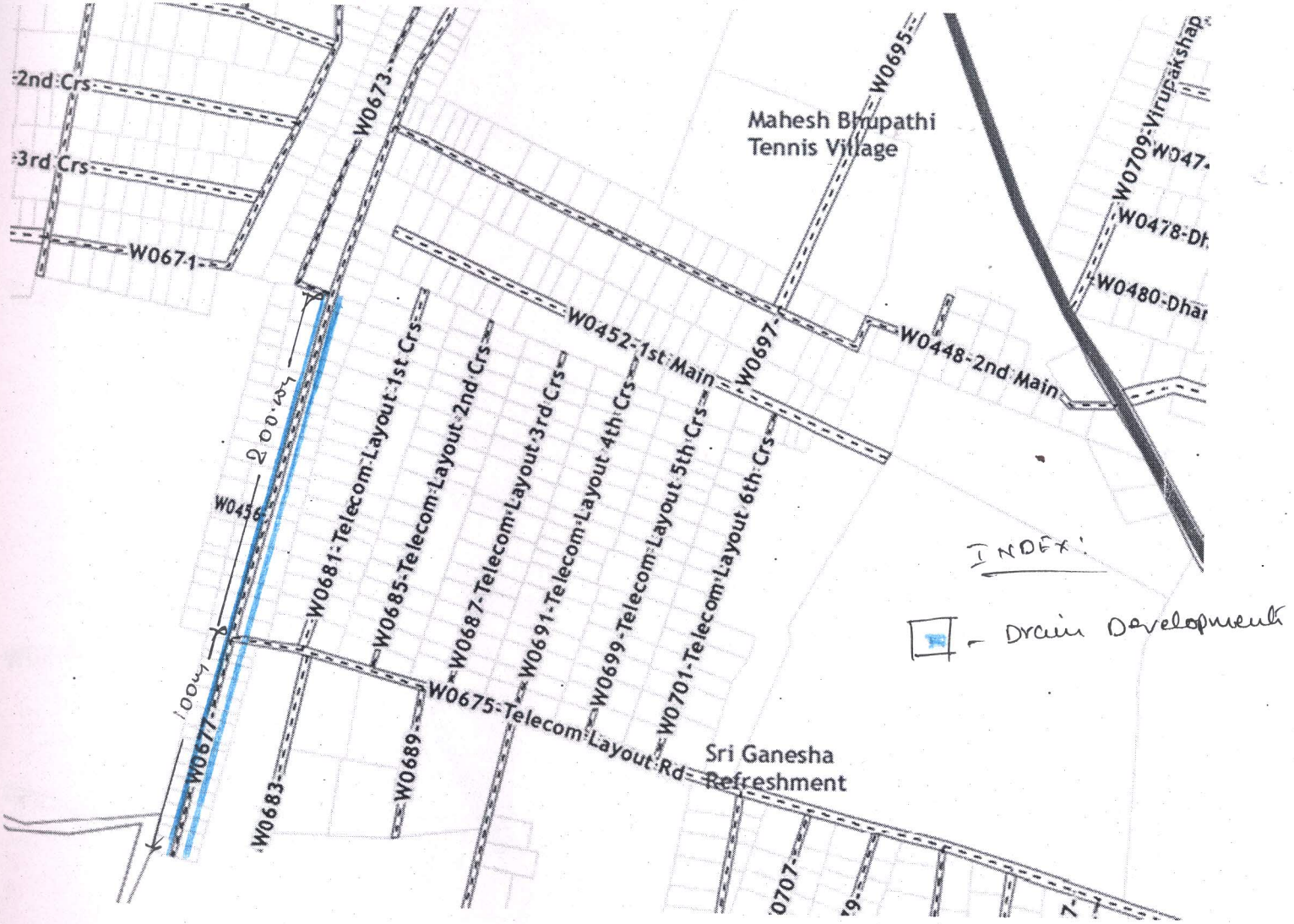

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore : 97

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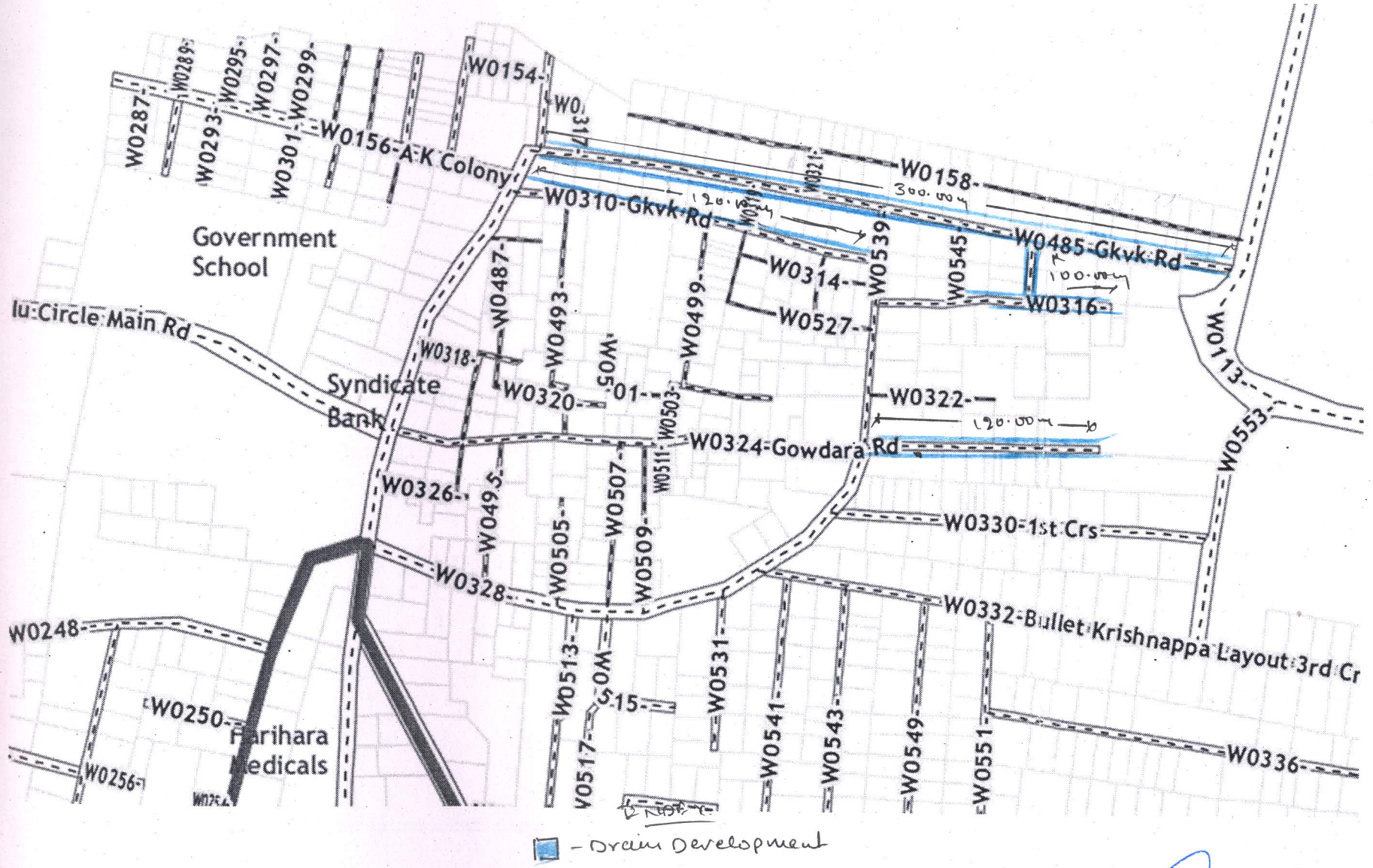

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Vidyaranyapura Sub Division

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BBMP, Bangalore-97